

Title (en)
Exhaust gas cleaner

Title (de)
Abgasreiniger

Title (fr)
Epurateur des gaz d'échappement

Publication
EP 0605237 B1 19970326 (EN)

Application
EP 93310560 A 19931224

Priority

- JP 7629493 A 19930310
- JP 14268993 A 19930521
- JP 36003592 A 19921228
- JP 36003992 A 19921228

Abstract (en)
[origin: EP0605237A1] The present invention relates to an exhaust gas cleaner for removing nitrogen oxides from an exhaust gas containing nitrogen oxides and oxygen in an amount larger than its stoichiometric amount relative to unburned components in said exhaust gas, which comprises 0.2-15 weight % (based on silver metal) of fine silver or silver oxide particles having an average diameter of 10-1000 nm, silver sulfate (or a combination of silver and sulfuric acid at a mole ratio of 1/50 to 2 relative to said silver) and/or silver chloride, supported on a porous inorganic oxide, and a method for removing nitrogen oxides from an exhaust gas through the use of such a cleaner.

IPC 1-7
B01D 53/56; **B01J 23/50**; **B01J 27/055**; **B01J 27/10**

IPC 8 full level
B01D 53/94 (2006.01); **B01J 23/50** (2006.01); **B01J 27/055** (2006.01)

CPC (source: EP)
B01D 53/9418 (2013.01); **B01J 23/50** (2013.01); **B01J 27/055** (2013.01); **B01D 2251/208** (2013.01); **B01D 2251/21** (2013.01); **B01D 2255/104** (2013.01); **B01D 2255/9202** (2013.01)

Cited by
EP1974799A3; DE19751005C1; DE19835481A1; EP0658368A1; US5559072A; US5609839A; US7650747B2; EP1222014B1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0605237 A1 19940706; **EP 0605237 B1 19970326**; DE 69309245 D1 19970430; DE 69309245 T2 19970703

DOCDB simple family (application)
EP 93310560 A 19931224; DE 69309245 T 19931224